



1976-12

Naval Postgraduate School Graduation Exercises / Class of December 1976

Naval Postgraduate School (U.S.)

Monterey, California. Naval Postgraduate School

<http://hdl.handle.net/10945/41090>

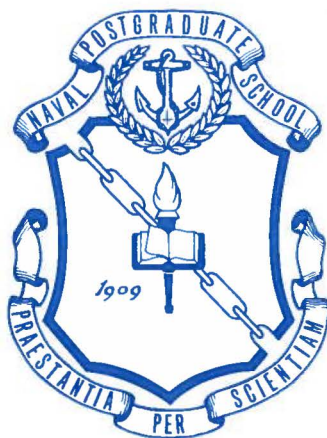


Calhoun is a project of the Dudley Knox Library at NPS, furthering the precepts and goals of open government and government transparency. All information contained herein has been approved for release by the NPS Public Affairs Officer.

Dudley Knox Library / Naval Postgraduate School
411 Dyer Road / 1 University Circle
Monterey, California USA 93943

<http://www.nps.edu/library>

Ref.
V422
.F4U6



U.S. NAVAL POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA

GRADUATION EXERCISES

WEDNESDAY AFTERNOON

DECEMBER 15, 1976

AT THREE O'CLOCK

Ref.

V422

.F4U6

Superintendent
ISHAM LINDER
Rear Admiral, United States Navy

DEAN OF INFORMATION SCIENCES
NAVAL POSTGRADUATE SCHOOL
MONTEREY, CALIFORNIA 93940

Provost
JACK R. BORSTING
Doctor of Philosophy

Director of Programs
JOSEPH M. BARRON
Captain, United States Navy

Dean of Information and Policy Sciences
DAVID A. SCHRADY
Doctor of Philosophy

Dean of Science and Engineering
ROBERT R. FOSSUM
Doctor of Philosophy

MISSION

"To conduct and direct advanced education of commissioned officers and to provide such other technical and professional instruction as may be prescribed to meet the needs of the Naval Service; and, in support of the foregoing, to foster and encourage a program of research in order to sustain academic excellence."

the program

PROCESSIONAL

Professor ALFRED W.M. COOPER Grand Marshall
Professor CRAIG COMSTOCK Marshal
Professor JAMES M. FREMGEN Marshal
Lieutenant Colonel NEIL P. MILLER, U.S. Marine Corps Marshal

NATIONAL ANTHEM

INVOCATION

Commander JOHN H. KaelBERER, CHC, U.S. Navy

INTRODUCTION OF SPEAKER

Rear Admiral ISHAM LINDER, U.S. Navy

ADDRESS TO GRADUATES

Vice Admiral ROBERT P. COOGAN, USN
Commander Naval Air Force, U.S. Pacific Fleet

PRESENTATION OF AWARDS

Navy League of Monterey Award
Naval Sea Systems Command Award in Naval Engineering
Naval Sea Systems Command Award in Weapons Engineering
Naval Electronics Systems Command Award

PRESENTATION OF CANDIDATES BY DEPARTMENT CHAIRMEN

ANNOUNCEMENT OF DEGREES

Rear Admiral ISHAM LINDER, U.S. Navy
Provost JACK R. BORSTING

BENEDICTION

Commander JOHN H. KaelBERER, CHC, U.S. Navy

RECESSIONAL



platform party

FIRST ROW (left to right)

Commander J.H. Kaelberer
CHC, U.S. Navy
Chaplain, Naval Postgraduate School

Representative
United States Air Force

Major General Edward A. Wilcox
United States Marine Corps

Provost Jack Borsting
Provost, Naval Postgraduate School

Rear Admiral Isham Linder, U.S. Navy
Superintendent, Naval Postgraduate School

Vice Admiral Robert P. Coogan,
U.S. Navy
Commander Naval Air Force, U.S. Pacific Fleet

Major General Robert L. Kirwan
United States Army

Captain Leon T. Dankiewicz
United States Coast Guard

Mrs. Jane Herbst
President, Monterey Peninsula Council
of the Navy League

Captain Joseph M. Barron, U.S. Navy
Director of Programs, Naval
Postgraduate School

SECOND ROW

Professor R.A. Reinhardt
Applied Science Committee

Professor R.N. Forrest
Antisubmarine Warfare Group

Commander Charles P. Gibfried
U.S. Navy
Department of Computer Science

Professor Carl R. Jones
Department of Administrative Sciences

Professor Michael G. Sovereign
Department of Operations Research

Professor Dale F. Leipper
Department of Oceanography

Professor George J. Haltiner
Department of Meteorology

Professor Richard W. Bell
Department of Aeronautics

Professor Allen E. Fuhs
Department of Mechanical Engineering

Professor Donald E. Kirk
Department of Electrical Engineering

Professor K.E. Woehler
Department of Physics and Chemistry

Professor P.J. Parker
Department of National Security Affairs

awards

NAVY LEAGUE OF MONTEREY AWARD for ACADEMIC IMPROVEMENT

Lieutenant WILLIAM R. ALBERTOLLI, U.S. Navy

NAVAL SEA SYSTEMS COMMAND AWARD for WEAPONS SYSTEMS ENGINEERING EXCELLENCE

Lieutenant STEVEN E. PILNICK, U.S. Navy
Lieutenant Commander KIEFER A. TOBIN, U.S. Navy

NAVAL ELECTRONIC SYSTEMS COMMAND AWARD for DISTINGUISHED ACADEMIC ACHIEVEMENT

Lieutenant Commander JAMES G. CAMPBELL, U.S. Navy

NAVAL SEA SYSTEMS COMMAND AWARD IN NAVAL ENGINEERING

Lieutenant ROY E. KASDORF, U.S. Navy

Naval Postgraduate School Department Chairmen

Professor GEORGE J. HALTINER

Meteorology

Professor DONALD E. KIRK

Electrical Engineering

Professor CARROLL O. WILDE

Mathematics

Professor MICHAEL G. SOVEREIGN

Operations Research

Professor PATRICK J. PARKER

National Security Affairs

Professor RICHARD W. BELL

Aeronautics

Professor DALE F. LEIPPER

Oceanography

Professor ALLEN E. FUHS

Mechanical Engineering

Professor K.E. WOEHLE

Physics and Chemistry

Commander CHARLES P. GIBFRIED, USN

Computer Science

Professor CARL R. JONES

Administrative Science

Naval Postgraduate School Curricular Officers

Lieutenant Commander JOSEPH H. CYR, JR., U.S. Navy

Operations Research/Systems Analysis

Commander LEO A. LUKENAS, U.S. Navy

Aeronautical Engineering

Commander CARLYSLE J. THOMAS, U.S. Navy

Electronics and Communications

Commander EDWARD J. MAHON, U.S. Navy

Weapons Engineering

Lieutenant Commander ROBERT C. WILLEMS, U.S. Navy

Antisubmarine Warfare

Commander ROBERT L. WARTERS, U.S. Navy

Naval Engineering

Commander JERRY D. JARRELL, U.S. Navy

Environmental Sciences

Commander JAMES T. FLEMING, U.S. Navy

Administrative Sciences

Commander WINDOM L. ESTES, U.S. Navy

Computer Technology

Commander THOMAS H. BARR, U.S. Navy

Naval Intelligence

the graduates

*Those officers whose names are preceded by an * are being given their degrees in absentia.*

Bachelor of Science in Physics

HALSTED, David P., LT, USN

Bachelor of Science in Engineering Acoustics

SEVDIK, Omer, LTJG, Turkish Navy

TRELLES, Jorge S., LT, Peruvian Navy

WILKENS, Carlos A., LTJG, Chilean

Navy

Bachelor of Science in Electrical Engineering

ANASTASSAKIS, Anthony N., LT,

Hellenic Navy

FLANTINIS, George K., LT, Hellenic

Navy

MAGOS, Demetrios, G., LT, Hellenic

Navy

MARTINOS, John F., LCDR,

Hellenic Navy

NANOS, Aristides G., LCDR, Hellenic

Navy

PANOURGIAS, Theodore, LCDR,

Hellenic Navy

PERRAS, Michael T., LT, Hellenic

Navy

PSIHOGIOS, Dionysios S., LCDR,

Hellenic Navy

ROSTAD, Bjarne, LCDR, Norwegian

Navy

Bachelor of Science in Mechanical Engineering

SOEHANA, MAJ, Indonesian

Army

*BRUNS, Wolfgang, LCDR, Federal

German Navy

Bachelor of Science in Systems Technology

RALPH, Grant D., LCDR, Canadian Forces

Master of Arts in National Security Affairs

BRADFORD, Gregory H., CAPT, USAF

CANN, Donald J., MAJ, USAF

FREED, James L., CAPT, USAF

GOLDEN, John L., MAJ, USAF

JOHNSON, Harry F., CAPT, USAF

KLIX, Richard T., LCOL, USAF

McDONALD, James R., MAJ, USAF

PERRY, Keye E., CAPT, USAF

RONDEAU, Jacques A., CAPT, USAF

SERGOTT, Ronald J., CAPT, USAF

Master of Arts in National Security Affairs (Continued)

SELOW, Robert E., CAPT, USAF
POLONIS, Lawrence L., MAJ, USA

STAGGERS, Robert L., 1LT, USA
HAMILTON, Stephen H., LCDR, USN

Master of Science in Engineering Acoustics

AUNS, Vilnis U., LCDR, Canadian Forces
EDWARDS, James N., Jr., LCDR, USN
FORD, Alexander L., III, LT, USN
LOOMIS, Michael F., LCDR, USN
MUSSO, Thomas F., LT, USN

*SCHERR, Michael R., LT, USN
SEVDIK, Omer, LTJG, Turkish Navy
TOBIN, Kiefer A., LCDR, USN
TRELLES, Jorge S., LT, Peruvian Navy
WILKENS, Carlos A., LTJG, Chilean Navy

Master of Science in Electrical Engineering

de MAHY, Bernard M., Jr., CAPT, USMC
ATALAY, Ferit, LT, Turkish Navy
*BAR-YEHOSHUA, David, LT, Israeli Navy
BEYATTE, William E., LT, USN
BIDART, Sergio E., LTJG, Chilean Navy
CAMPBELL, James G., LCDR, USN
DEACON, Glenn R., LT, USN
ELITAS, Kayhan S., LTJG, Turkish Navy
SHACHAR, Moshe, LTJG, Israeli Navy
FRENTZEL, William Y., II, LT, USN

JOHNSTON, Robert C., LCDR, Canadian Forces
*JULIAN, Benjamin E., LT, USN
KILBORN, Edgar L., Jr., LT, USN
McCLANE, James L., LT, USN
OREJUELA, Clemente B., LCDR, Peruvian Navy
PIAZZA, Frank, LT, USN
RETO, Antonio M., LT, Portuguese Navy
RICHARDSON, Frederick K., LT, USN
ROWE, Richard R., LT, USN
RUNDALL, David G., LT, USN
TANES, Ismet, LT, Turkish Navy

Master of Science in Mechanical Engineering

BECK, Andrew C., II, LCDR, USN
BERMUDES, Eulogio C., LT, USN
CIPRIANI, Alfred L., LT, USN
FULTON, Thomas B., LT, USN
KASDORF, Roy E., LT, USN
KELLY, Edward W., LT, USN
MORGAN, James L., LT, USN

OWENDOFF, Robert S., LT, USN
SHELDRIK, Ralph C., LT, USN
SOEHANA, MAJ, Indonesian Army
WAGENSEIL, Lawrence L., LCDR, USN
WRIGHT, Peter W., LCDR, USN
YOUNT, George R., LT, USN

Master of Science in Aeronautical Engineering

ALBERTOLLI, William R., LT, USN
BAUMAN, James L., LT, USN
BOATRIGHT, Billy C., LCDR, USN
*CROWE, Robert K., LT, USN
FERRIS, Richard L., LT, USN
GAVITO, Valentin F., Jr., LT, USN

HAWKINS, Wayne R., LT, USN
LOSH, Dennis M., LT, USN
SHUTT, Michael D., LT, USN
VAN DEVENDER, John A., LT, USN
WEST, James C., Jr., LT, USN

Master of Science in Meteorology and Oceanography

FRIESE, Laurence V., LCDR, USN
HOLT, Benjamin L., Jr., LT, USN
HULSTRAND, Victor S., LT, USN

KARCH, George W., LT, USN
PENTIMONTI, Richard J., LT, USN
SHUTT, William L., LT, USN

Master of Science in Oceanography

JENSEN, John A., LT, USN
RAWLINSON, Linda C., LT, USN

Master of Science in Operations Research

HARMS, John W., CPT, USA
HUTCHINSON, Dennis R., CPT, USA
RENNER, Earl W., CPT, USA

CHRISTENSEN, Jan D., CAPT, Royal Danish Air Force
PILNICK, Steven E., LT, USN

Master of Science in Management

CARLSON, Vernon K., LT, USCG
CHEVALIER, Roger D., LT, USCG
LOSEA, Richard J., LT, USCG
STUMPFF, John F., LT, USCG
CLICKENER, John R., MAJ, USMC
LYON, Bruce C., CAPT, USMC
PACKARD, Robert A., CAPT, USMC
BOBULINSKI, Robert A., LT, USN
CASTLE, Michael J., CAPT, Australian Army
CHRISTENSEN, Jan D., CAPT, Royal Danish Air Force
FAHRENKROG, Steven L., LT, USN
FERIS, Michael L., LT, USN

HABICHT, Roland F., CDR, USN
HAUKELI, Karsten, LCDR, Royal Norwegian Navy
HIGHSMITH, Raymond C., Jr., LT, USN
KOOHI, Mehrdad, LCDR, Imperial Iranian Navy
KRAMAR, Joel D., LCDR, USN
LAWSON, Thomas N., LCDR, USN
LEWIS, James J., LCDR, USN
MALEK, Mokhtar, LCDR, Imperial Iranian Navy
McAULEY, John A., Jr., LCDR, USN
McGANN, Dennis M., LT, USN

Master of Science in Management (Continued)

PETERS, Vernon M., LT, USN	SOLBERG, Ernest A.
RAHANJAM, Mehdi, LCDR, Imperial Iranian Navy	STANTON, Thomas P., LT, USN
REICHERT, Paulette, LT, USN	WHITE, Bradley T., LT, USN
	ZIA, Ralph K., LT, USN

Master of Science in Computer Systems Management

ACKERSON, Jeffrey T., LCDR, USN	*MARX, Paul T., LCDR, USN
ALEXANDER, Corington A., Jr., CDR, USN	*MILLER, William H., LT, USN
ALTON, Cecil C., LCDR, USN	MORGAN, Newton H., Jr., LT, USN
BILLINGS, Alan J., LCDR, USN	*PERRY, James E., LT, USN
BLAND, Gerald H., LCDR, USN	PURNELL, Clement I., CDR, USN
DEBOER, James K., LCDR, USN	STUBBS, Gary W., LT, USN
GALLAGHER, Patrick F., LCDR, USN	*THOMAS, Gary L., LCDR, USN
HORTON, John V., LT, USN	TSAKNAKIS, Pantelis, MAJ., Hellenic Army
LENGA, James R., LCDR, USN	WILSON, Samuel E., III, LT, USN
MAHAMUD, Alex S., CDR, Peruvian Navy	YOUNG, Gordon A., LT, USN

Master of Science in Computer Science

ANDERSON, Gordon E., CAPT, USMC	HAGGERTY, Jerry M., LT, USN
DOBIE, Ronald B., CAPT, USMC	*HARTLING, John M., LT, USN
*ERTLSCHWEIGER, John T., LT, USN	HOLYOAK, Joseph G., LT, USN
EUBANKS, Gordon E., LT, USN	SNYDER, Peter B., LCDR, USN
GOMEZ, Daniel S., LT, USN	TEETZ, William R., LT, USN
	VISCO, Dominick W., LT, USN

Master of Science in Systems Technology

GERARD, Walter J., LCDR, USN

Master of Science in Applied Science

BENSON, Eric J., LT, USN	JORDAN, James A., Jr., LT, USN
BOUTZ, Allen R., LT, USN	LUESOW, Klaus J., LCDR, Federal German Navy
GAZAREK, Michael J., LCDR, USN	MEZMALIS, Andrejs M., LCDR, USN
HENRY, Douglas D., LT, USN	

Master of Science in Applied Science (Continued)

NESS, Frank G., Jr. LT, USN	PERRY, James S., LT, USN
NITSCHKE, Volkmar, LCDR, Federal German Navy	RALPH, Grant D., LCDR, Canadian Forces

Electrical Engineer

CARLSON, Richard F., LT, USCG
BELROSE, Benjamin G., LT, USN
EJAZ, Arif, LT, Pakistan Air Force

Mechanical Engineer

BERMUDES, Eulogio C., LT, USN
KASDORF, Roy E., LT, USN

Doctor of Philosophy

CAMP, Norman T., LCDR, USN

THE NAVAL POSTGRADUATE SCHOOL

The Naval Postgraduate School had a modest beginning at the Naval Academy at Annapolis in 1909, at which time the first class of ten officers enrolled in the School of Marine Engineering. In 1912, the School was designated the Postgraduate Department of the Naval Academy, and the scope of its engineering curricula was broadened to include Ordnance, Naval Construction and Civil Engineering.

After a suspension of operations during World War I, the Postgraduate Department resumed operations in 1919; two years later it was officially designated the "Naval Postgraduate School." A further extension of its curricula and the growth of its enrollment took place in the years between the two World Wars.

In 1927, the General Line Course was started within the Postgraduate School to acquaint junior line officers with modern developments taking place in the Navy and to broaden their professional knowledge by means of integrated courses in naval science.

World War II caused an increase in enrollment in the Engineering curricula from about 125 to over 600 and a tremendous expansion of activity in contrast to the complete suspension of operations during World War I. After hostilities ceased in 1945, a program was initiated to relocate the Postgraduate School and improve its professional status. Between 1945 and 1948, legislation was passed establishing the School as a separate activity under its own Superintendent; creating the office of Academic Dean; granting the Superintendent the right to award Bachelor's, Master's and Doctor's degrees; authorizing the re-establishment at Monterey, California, and purchasing the Del Monte site. The move to Monterey was commenced in 1948 and completed in 1951.

In 1956, the Navy Management School was established as a component of the Postgraduate School. Its mission was to provide graduate education for Naval officers in the theories, philosophies and application of scientific methods of management specifically oriented to the Navy in order to advance efficiency and economy of operation afloat and ashore. In August 1960, the Management School curriculum was lengthened from a five to a ten-month course leading to a Master's degree for those who could meet the requirements for such a degree.

In 1958, the General Line School was redesignated as the General Line and Naval Science School and a Bachelor of Science curriculum was offered to meet the educational and career requirements of selected officers who did not have baccalaureate degrees. Further developments in the undergraduate program resulted in recognition of the need for a Bachelor of Arts curriculum, which was subsequently inaugurated in the General Line and Naval Science School in August 1961.

A major internal reorganization was approved by the Chief of Naval Personnel and became effective on 3 August 1962. The three component schools were consolidated into a single unified Postgraduate School, with academic operations under the direction of a Director of Programs (military) and a Dean of Programs (civilian). The reorganization in no way changed the curricula offered, but achieved unity of policy and gave emphasis to the educational programs required for the Navy.

academic dress

The cap and gown and colorful hood so prominent in commencement ceremonies resemble to some extent articles of dress worn by church and university dignitaries in the Middle Ages. The cap and gown indicate that the wearer is a member of a university or college. The hood shows the degree the wearer holds.

The gown for the bachelor's degree has pointed sleeves and is designed to be worn closed. The master's gown has closed sleeves, square at the end, the arms coming through a slit at the elbow; it may be worn open or closed. The doctor's gown has bell-shaped sleeves and may be worn open or closed. Down the front the doctor's gown has a facing of velvet and three bars of the same material on each sleeve. The facing and bars may be either black or the color distinctive of the subject to which the degree pertains. The cap is worn for all degrees; the doctor may wear a golden tassel.

Hoods are normally black with a colorful lining rolled outward. Bachelor's hoods are three feet long, master's three and one half feet, and doctor's four feet.

For all academic purposes, including trimmings for the doctor's gown, edgings of hoods, and tassels of caps, the colors associated with the different subjects are as follows:

Agriculture	Maize	Library Science	Lemon
Arts, Letters, Humanities	White	Music	Pink
Business, Commerce	Drab	Pharmacy	Olive Green
Education	Light Blue	Philosophy	Dark Blue
Engineering	Orange	Physical Education	Sage Green
Forestry	Russet	Science	Golden Yellow
Home Economics	Maroon	Theology	Scarlet
Law	Purple	Veterinary Science	Gray

The silk or satin lining of the hood is the color or colors of the university or college which conferred the degree. Some have a slash or chevron of contrasting color. For example:

University Granting Degree	Lining	Slash or Chevron
University of Wisconsin	Bright Red	
University of Minnesota	Old Gold	Maroon
Yale University	Blue	
University of California	Gold	Yale Blue
University of Washington	Purple Above Gold	
University of Oregon	Lemon Yellow	Dark Green
New York University	Violet	
Stanford University	Cardinal	
Columbia University	Light Blue	White
University of Michigan	Maize	Blue
University of Texas	White Above Orange	Burnt Orange
Duke University	Royal Blue	White
Cornell University	Cardinal	Two White
Harvard University	Crimson	
Michigan State University	Green	White
Iowa State University	Gold Above Cardinal	
State University of Iowa	Old Gold	
Oregon State University	Burnt Orange	
Lewis and Clark College	Princeton Orange	Black, Orange
University of Denver	Cardinal	Gold

The Naval Postgraduate School hood has a satin lining of dark blue with a gold chevron.

